

Title (en)

Plastic coated valve rotor and a method of manufacturing

Title (de)

Kunststoffbeschichteter Ventil-Rotor und Verfahren zu dessen Herstellung

Title (fr)

Rotor de valve revêtu de matière plastique et procédé pour sa fabrication

Publication

EP 0899074 A2 19990303 (EN)

Application

EP 98401573 A 19980625

Priority

US 92009197 A 19970826

Abstract (en)

A method of manufacturing a valve rotor (30) with a wear-resistant, low-friction surface, wherein a disk (42) having angled edges (56,58) and a shape which correspond with the surface of the rotor is formed from a sheet of polytetrafluoroethylene (PTFE). The disk (42) is placed at the bottom of a mold cavity (68), and a plastic material is injected in the mold. The plastic fills the mold cavity (68) surrounding and covering the angled edges (56,58) of the disk. Once hardened, the plastic is locked together with the angled edges of the PTFE disk. In a preferred embodiment, a method of manufacturing a water treatment valve rotor with a PTFE rotating surface is shown.

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IPC 8 full level

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CPC (source: EP US)

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Cited by

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